

Álvaro de Jesú's Ruíz-Baltazar

List of Publications by Year in descending order

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docs citations

43
times ranked

1182
citing authors

#	ARTICLE	IF	CITATIONS
1	Eco-friendly synthesis of Fe ₃ O ₄ nanoparticles: Evaluation of their catalytic activity in methylene blue degradation by kinetic adsorption models. Results in Physics, 2019, 12, 989-995.	4.1	99
2	Green synthesis of silver nanoparticles using a Melissa officinalis leaf extract with antibacterial properties. Results in Physics, 2017, 7, 2639-2643.	4.1	98
3	Effect of the Surfactant on the Growth and Oxidation of Iron Nanoparticles. Journal of Nanomaterials, 2015, 2015, 1-8.	2.7	75
4	Swelling and methylene blue adsorption of poly(N,N-dimethylacrylamide-co-2-hydroxyethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 T	4.1	74
5	Biosynthesis of Ag nanoparticles using Cynara cardunculus leaf extract: Evaluation of their antibacterial and electrochemical activity. Results in Physics, 2018, 11, 1142-1149.	4.1	50
6	Sonochemical activation-assisted biosynthesis of Au/Fe ₃ O ₄ nanoparticles and sonocatalytic degradation of methyl orange. Ultrasonics Sonochemistry, 2021, 73, 105521.	8.2	36
7	Study of PtPd Bimetallic Nanoparticles for Fuel Cell Applications. Materials Research, 2017, 20, 1193-1200.	1.3	33
8	Novel Route of Synthesis of PCL-CuONPs Composites With Antimicrobial Properties. Dose-Response, 2019, 17, 155932581986950.	1.6	27
9	Preparation and Characterization of Natural Zeolite Modified with Iron Nanoparticles. Journal of Nanomaterials, 2015, 2015, 1-8.	2.7	25
10	Alcoholic extracts from Paulownia tomentosa leaves for silver nanoparticles synthesis. Results in Physics, 2019, 12, 1670-1679.	4.1	24
11	Green Composite Based on Silver Nanoparticles Supported on Diatomaceous Earth: Kinetic Adsorption Models and Antibacterial Effect. Journal of Cluster Science, 2018, 29, 509-519.	3.3	21
12	Magnetic structures synthesized by controlled oxidative etching: Structural characterization and magnetic behavior. Results in Physics, 2017, 7, 1828-1832.	4.1	20
13	Novel biosynthesis of Ag-hydroxyapatite: Structural and spectroscopic characterization. Results in Physics, 2018, 9, 593-597.	4.1	18
14	Bactericidal Activity Study of ZrO ₂ -Ag ₂ O Nanoparticles. Dose-Response, 2020, 18, 155932582094137.	1.6	18
15	Kinetic Adsorption Study of Silver Nanoparticles on Natural Zeolite: Experimental and Theoretical Models. Applied Sciences (Switzerland), 2015, 5, 1869-1881.	2.5	16
16	Green synthesis assisted by sonochemical activation of Fe ₃ O ₄ -Ag nano-alloys: Structural characterization and studies of sorption of cationic dyes. Inorganic Chemistry Communication, 2020, 120, 108148.	3.9	16
17	Synthesis of γ-Alumina Nano-Onions by Thermal Decomposition of Aluminum Formate. Journal of Nanomaterials, 2018, 2018, 1-7.	2.7	11
18	Kinetic adsorption models of silver nanoparticles biosynthesized by Cnicus Benedictus: Study of the photocatalytic degradation of methylene blue and antibacterial activity. Inorganic Chemistry Communication, 2020, 120, 108158.	3.9	10

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19	Molecular interaction of β -carotene with sweet potato starch: A bleaching-restitution assay. <i>Food Hydrocolloids</i> , 2022, 127, 107522.	10.7	9
20	Preparation of Silver-Doped Alumina Spherical Beads with Antimicrobial Properties. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-13.	2.7	8
21	Surface modification of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) by direct plasma-radiation-induced graft polymerization of N-hydroxyethyl-acrylamide. <i>Materials Letters</i> , 2016, 175, 252-257.	2.6	7
22	Structural Characterization of Fe-Ag Bimetallic Nanoparticles Synthesized by Chemical Reduction. <i>International Research Journal of Pure and Applied Chemistry</i> , 2014, 4, 263-269.	0.2	7
23	Comparative Study of Ag Nanostructures: Molecular Simulations, Electrochemical Behavior, and Antibacterial Effect. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-9.	2.7	6
24	Analysis for the Sorption Kinetics of Ag Nanoparticles on Natural Clinoptilolite. <i>Advances in Condensed Matter Physics</i> , 2015, 2015, 1-7.	1.1	5
25	Characterization Microstructural and Electrochemical of AgPd Alloy Bimetallic Nanoparticles. <i>MRS Advances</i> , 2017, 2, 2857-2863.	0.9	5
26	Magnetic Nanoparticles of Fe ₃ O ₄ Biosynthesized by <i>Cnicus benedictus</i> Extract: Photocatalytic Study of Organic Dye Degradation and Antibacterial Behavior. <i>Processes</i> , 2020, 8, 946.	2.8	5
27	Cell behavior on silica-hydroxyapatite coaxial composite. <i>PLoS ONE</i> , 2021, 16, e0246256.	2.5	5
28	Spectroscopy Study of Silver Nanoparticles Produced by Chemical Reduction. <i>Materials Science Forum</i> , 0, 755, 15-20.	0.3	4
29	Flow Analysis Based on Cathodic Current Using Different Designs of Channel Distribution In PEM Fuel Cells. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3615.	2.5	4
30	Environmentally friendly alternative for heavy metal adsorption based on doped diatoms with Au nanoparticles: A novel approach in green synthesis of adsorbents and kinetic adsorption study. <i>Colloids and Interface Science Communications</i> , 2022, 46, 100559.	4.1	4
31	Synthesis and Characterization of Bifunctional Fe_2O_3 -Ag Nanoparticles. <i>Advances in Condensed Matter Physics</i> , 2015, 2015, 1-6.	1.1	3
32	Synthesis of Ag Nanoparticles-Clinoptilolite Composite by Homogeneous and Heterogeneous Nucleation. <i>Materials Science Forum</i> , 2013, 755, 97-103.	0.3	2
33	REVIEW OF ALUMINA IN ADSORPTION PROCESSES FOR EMERGING POLLUTANTS. <i>International Journal of Research -GRANTHAALAYAH</i> , 2021, 9, 435-453.	0.1	2
34	Validation of a method to quantify platinum in cisplatin by inductively-coupled plasma. <i>Chemistry and Chemical Technology</i> , 2017, 11, 437-444.	1.1	2
35	Effect of Zn Nanoparticles Doping on Oxytetracycline Removal by Natural Aluminosilicate and Carbon Nanotubes. <i>Water, Air, and Soil Pollution</i> , 2022, 233, .	2.4	2
36	Antimicrobial study of the Al ₂ O ₃ -Cu and Al ₂ O ₃ -Hydroxiapatite-Cu spheres. <i>Inorganic Chemistry Communication</i> , 2022, 138, 109253.	3.9	2

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37	Correlation of Silver Size Nanoparticles Between TEM and QELS. Materials Research Society Symposia Proceedings, 2010, 1275, 1.	0.1	1
38	Structural Characterization of Iron Nanoparticles Synthesized by Chemical -Methods. Materials Research Society Symposia Proceedings, 2012, 1372, 73.	0.1	1
39	Transmission Electron Microscopy Characterization and High-Resolution Modeling of Second-Phase Particles of V- and Ti-Containing Twinning-Induced Plasticity Steel under Uniaxial Hot-Tensile Condition. Steel Research International, 2019, 90, 1900098.	1.8	1
40	ADSORBENT MATERIALS FOR EMERGING CONTAMINANT (TETRACYCLINE) REMOVAL. International Journal of Research -GRANTHAALAYAH, 2021, 9, 466-491.	0.1	1
41	Ag Nanoparticles Adsorption on Diatom-Montmorillonite Clays. Materials Science Forum, 0, 755, 91-96.	0.3	0
42	Bimetallic Alloy of Fe ₂ O ₃ -Ag Nanoparticles: Characterization and Structural Modeling. Materials Research Society Symposia Proceedings, 2016, 1816, 1.	0.1	0